SELECTIVE TREATMENT FOR SELECTIVE PATIENTS THE ROLE OF IMMUNEADSORTION IN SYSTEMIC ERYTHEMATOSUS LUPUS

Domingues P.^{1*}, Oliveira J.², Dias B.², Freitas C.², Pimentel J.², Cabrita A.² ¹Department of Nephrology, Centro Hospitalar de Setúbal, Setúbal, Partugal ; ²Department of Nephrology, Centro Hospitalar do Parto, Parto, Portugal

Objective

The apheresis method is used for the removal of substances namely lipoproteins, antibodies, immune complexes or toxins from the blood. **Immunoadsorption** (IA) is a selective apheresis method, able to remove <u>specific antibodies and immune complexes</u> obviating the use of plasma replacement. This tecnique can remove immunoglobulin from the intravascular compartment in particular IgG and IgM. **Systemic Lupus Erythematosus** (SLE) pathogenesis is probably related to various antibodies. Immunoadsorption provides a method for effectively remove them, representing an interesting treatment for SLE.

Methods

We describe our experience with the use of IA treating two severe cases of SLE in female patients.



Conclusions

The authors want to reenforce the importance of IA in patients presenting with severe SLE, disease worsening despite optimized therapy and high risk of infection with contraindicatied addicional immunosupression therapy. In addition, these cases show IA is a relatively secure tecnique with good results, capable of important reduction of antibodies, without removing any clotting factors (different from plasmapheresis). We believe that IA plays an important rôle as a treatment option for selected patients diagnosed with severe SLE. Individuazed therapy is at our goal, it may not be the goldstandart therapy but still is a relevant means for clinical improvement with the advantage of selective antibodies clearence without the use of fluid substituion.

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